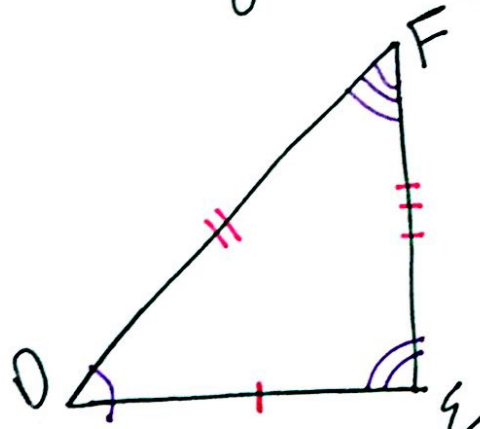
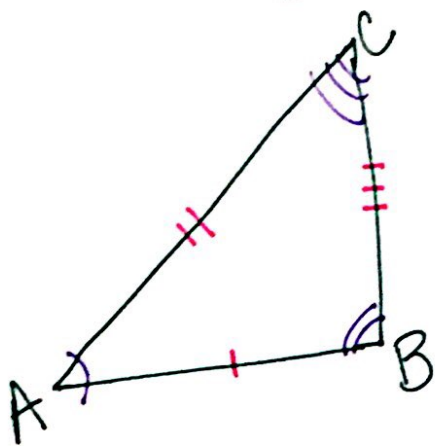


Congruent Figures



$$\triangle ABC \cong \triangle DEF$$

6 Congruence statement:

$$\overline{AB} \cong \overline{DE}$$

$$\angle A \cong \angle D$$

$$\overline{AC} \cong \overline{DF}$$

$$\angle B \cong \angle E$$

$$\overline{CB} \cong \overline{FE}$$

$$\angle C \cong \angle F$$

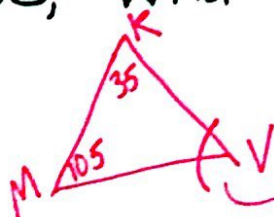
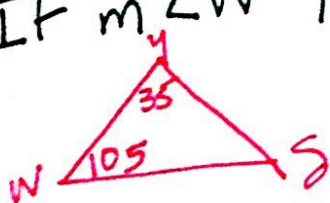
EX

$$\triangle WYS \cong \triangle MKV$$

↳ If $m\angle Y = 35^\circ$, what is the $m\angle K$?

$$m\angle K = 35^\circ$$

↳ If $m\angle W = 105^\circ$, what is the $m\angle V$?



$$180 - 105 - 35 = 40^\circ$$

$\boxed{\text{EX}}$ $\triangle XYZ \cong \triangle KLM$

$m\angle Y = 67^\circ$

$m\angle M = 48^\circ$

Find $m\angle X : 65^\circ$

